

CRF Errors Corrected by the STIC Systems Branch

Serial Number: 09/900,708

CRF Processing Date: 2/6/2002
 Edited by:
 Verified by: (STIC staff)

ENTERED

- ☐ Changed a file from non-ASCII to ASCII
- ☐ Changed the margins in cases where the sequence text was "wrapped" down to the next line.
- ☐ Edited a format error in the Current Application Data section, specifically: _____
- ☐ Edited the Current Application Data section with the actual current number. The number inputted by the applicant was ☐ the prior application data; or ☐ other _____
- ☐ Added the mandatory heading and subheadings for "Current Application Data".
- ☐ Edited the "Number of Sequences" field. The applicant spelled out a number instead of using an integer.
- ☐ Changed the spelling of a mandatory field (the headings or subheadings), specifically: _____
- ☐ Corrected the SEQ ID NO when obviously incorrect. The sequence numbers that were edited were: _____
- ☐ Inserted or corrected a nucleic number at the end of a nucleic line. SEQ ID NO's edited: _____
- ☐ Corrected subheading placement. All responses must be on the same line as each subheading. If the applicant placed a response below the subheading, this was moved to its appropriate place.
- ☐ Inserted colons after headings/subheadings. Headings edited included: _____
- ☐ Deleted extra, invalid, headings used by an applicant, specifically: _____
- ☒ Deleted: ☒ non-ASCII "garbage" at the beginning/end of files; ☐ secretary initials/filename at end of file;
☐ page numbers throughout text; ☐ other invalid text, such as _____
- ☐ Inserted mandatory headings, specifically: _____
- ☐ Corrected an obvious error in the response, specifically: _____
- ☐ Edited identifiers where upper case is used but lower case is required, or vice versa.
- ☐ Corrected an error in the Number of Sequences field, specifically: _____
- ☐ A "Hard Page Break" code was inserted by the applicant. All occurrences had to be deleted.
- ☐ Deleted **ending** stop codon in amino acid sequences and adjusted the "(A)Length:" field accordingly (error due to a PatentIn bug). Sequences corrected: _____
- ☐ Other: _____

***Examiner: The above corrections must be communicated to the applicant in the first Office Action. DO NOT send a copy of this form.**

3/1/95

RECEIVED



OIEP

RAW SEQUENCE LISTING

DATE: 02/06/2002

PATENT APPLICATION: US/09/900,708

TIME: 10:57:46

Input Set : N:\jumbos\900708.txt

Output Set: N:\CRF3\02062002\I900708.raw

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4 <110> APPLICANT: Allen, Keith D.
6 <120> TITLE OF INVENTION: TRANSGENIC MICE CONTAINING INTESTINAL
7   ALKALINE PHOSPHATASE GENE DISRUPTIONS
10 <130> FILE REFERENCE: R-733
12 <140> CURRENT APPLICATION NUMBER: US 09/900,708
13 <141> CURRENT FILING DATE: 2001-07-06
15 <150> PRIOR APPLICATION NUMBER: US 60/216,476
16 <151> PRIOR FILING DATE: 2000-07-06
18 <150> PRIOR APPLICATION NUMBER: US 60/221,489
19 <151> PRIOR FILING DATE: 2000-07-27
21 <160> NUMBER OF SEQ ID NOS: 4
23 <170> SOFTWARE: FastSEQ for Windows Version 4.0
25 <210> SEQ ID NO: 1
26 <211> LENGTH: 5293
27 <212> TYPE: DNA
28 <213> ORGANISM: Mus musculus
30 <400> SEQUENCE: 1
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33 cctacctcca gcgcccagaa tgagcctatt ggccccaca gctctcagga gcaagagtga 180
34 tgtacaggac attgtgagca agaagtgggt gctgcaaaact gcataacccc cctcctaccg 240
35 gcaagacacc gagtgctcac acagagctta ctcgtaggac ttgccagctg gttaagacac 300
36 accctgccat tttctctaac aagcaggagt tcagttcagt tcacagggat ggggtgggac 360
37 caggatggcc actttgatca catgggaggg gcgtggtggt gtgcagttag gaacaaagtc 420
38 tccccctatt taagtccagc gctctgtgct ttagttgata cctgggtgtct cgtgtctttg 480
39 tctgctgctg tcccgccacc agccccagcc atgcagggac cctgggtgct gctgctgctg 540
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41 caccceattc ccacccatgg acccttcagt ctgacccttc ctctgctatt cccttgcca 660
42 gtggaggagg agaaccggc cttctggaac aagaaggcag ccgaggccct ggatgctgcc 720
43 aagaagctgc agccattca gacatcagct aagaacctca tcattctctt ggggtgacgg 780
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46 gggtaaccaac agtgacagcc accaggatcc taaagggaca gttggaaggt catctaggac 960
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51 actacaagac catcggttg agtgacggc cgagattcga ccagtgaac accacatttg 1260
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55 atgttcacac agtgaaccgc aattggtatg gggatgctga catgcctgcc tctgcgctgc 1500
56 ggaaggttg caaggacatt gctacacaac tcattctcaa catggacatt aatgtaagga 1560

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58 gggaggtcag gggggtcaag gggggaaggg gtggtcccag gcaaaccctg tagactgaac 1680
59 tccctggatc ttctggggtc tttgagggcc gggtagttca gtccccacat acctggtgag 1740
60 gagctaggga ctggcaggaa aaggaggcag aagacaacct aaagttcacc ttcccttcac 1800
61 ctctctgacc acaggtgatc ctggtggggg ggcgaaaata catgtttcct gctggaaccc 1860
62 cagaccccca gtatccaaat gatgctaata agactggaac cagattggat ggcaggaatc 1920
63 tgggtgcagg atggtctgca aagcaccagg tgaccgactg cagaatatta gtgatacagt 1980
64 ggagaccagg gaagggcttt gaaccttacc agttgtttat gtccctctag ggatcccagt 2040
65 atgtttgtaa tcgtgaacaa ctcatcaga aggcccaagg tccgtcagtg acataacctc 2100
66 tgggtaaatg cccacactt cctgcaactg tacacctcac atggcaacca ctgatcctct 2160
67 gtgtatatat gtaccgtgac cccactgcca agcttggtgg tcaccagtat atatttttgt 2220
68 tttgtacctc aggcctcttt gagcctgtag acacaaaatt tgatattcaa cgagatcccc 2280
69 tgatggaccc atctctgaag gatatgacag agacggccgt gaaagtgcta agcaggaacc 2340
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71 aatggacagg gacaggctca agctcactgg ctctctgcag ggggcgaat cgaccgtggt 2460
72 caccatctgg gcacagctta tctggcgtg actgaggctg tgatgttcga cttagccatc 2520
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101 aataataaaa gaatgtattc aatacaatag caatagtcac tttctttttc ttgggtcaa 4260
102 aaccagagcc tagtgctgct taggaacgtg ctctgccact gatccatagc cccatatcat 4320
103 ctctctccct cccctctcct cctccctctt ctcttcccc tctctctct atgactctgt 4380
104 agcccaagct ggcctcaaat ttatgacagt ccaattgcta cagtctccca gatgtggat 4440
105 ttttaagtgt agccacactc ctagcatctt agtaggacct ttgcagaagg aaagcctgaa 4500

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RAW SEQUENCE LISTING

DATE: 02/06/2002

PATENT APPLICATION: US/09/900,708

TIME: 10:57:46

Input Set : N:\jumbos\900708.txt

Output Set: N:\CRF3\02062002\I900708.raw

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106 gtgtctggag cactgagttc agatggggga ggggtaatag tggagcctca gttggagaga 4560
107 gacagccagc tgagcaagat cctgaatgag gtgaaggcct gagccaacac cacacagcag 4620
108 tgctaatccc ccacccccca ggccagcgat cagctggaag gttgcaacga ctgggtcaga 4680
109 gagggtggct gggacagagg atgcaaagct ggagctgcaa ggagctgtgg gaggagagga 4740
110 agaactttaa aatccatggc agtgtgtgca caagcctttg aataagaatt caggacgtgg 4800
111 tactttttct attgcaggaa atatgcaatc ttttccctt ttttccctgtt ttttttttcc 4860
112 atgggggggtg ggaatgggtg ttagatatag gagctggtca gccagagggg agatgcagac 4920
113 cctaaccatc tctgacttgc attggaactt ggtggagcac caccocagta tagttcttgg 4980
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116 aacacacttt gctcccacta gtaatattag gaagattgaa tatgcacctt tatttgctaa 5160
117 aatcttgatt taacactgtg aaacatcaat tcgaaatctt ggctctcgga gtagtttatt 5220
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119 gttaacaaag ctt 5293
121 <210> SEQ ID NO: 2
122 <211> LENGTH: 559
123 <212> TYPE: PRT
124 <213> ORGANISM: Mus musculus
126 <400> SEQUENCE: 2
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128 1 5 10 15
129 Ser Leu Ser Val Ile Pro Val Glu Glu Asn Pro Ala Phe Trp Asn
130 20 25 30
131 Lys Lys Ala Glu Ala Leu Asp Ala Ala Lys Lys Leu Gln Pro Ile
132 35 40 45
133 Gln Thr Ser Ala Lys Asn Leu Ile Ile Phe Leu Gly Asp Gly Met Gly
134 50 55 60
135 Val Pro Thr Val Thr Ala Thr Arg Ile Leu Lys Gly Gln Leu Glu Gly
136 65 70 75 80
137 His Leu Gly Pro Glu Thr Pro Leu Ala Met Asp Arg Phe Pro Tyr Met
138 85 90 95
139 Ala Leu Ser Lys Thr Tyr Ser Val Asp Arg Gln Val Pro Asp Ser Ala
140 100 105 110
141 Ser Thr Ala Thr Ala Tyr Leu Cys Gly Val Lys Thr Asn Tyr Lys Thr
142 115 120 125
143 Ile Gly Leu Ser Ala Ala Ala Arg Phe Asp Gln Cys Asn Thr Thr Phe
144 130 135 140
145 Gly Asn Glu Val Phe Ser Val Met Tyr Arg Ala Lys Lys Ala Gly Lys
146 145 150 155 160
147 Ser Val Gly Val Val Thr Thr Thr Arg Val Gln His Ala Ser Pro Ser
148 165 170 175
149 Gly Thr Tyr Val His Thr Val Asn Arg Asn Trp Tyr Gly Asp Ala Asp
150 180 185 190
151 Met Pro Ala Ser Ala Leu Arg Glu Gly Cys Lys Asp Ile Ala Thr Gln
152 195 200 205
153 Leu Ile Ser Asn Met Asp Ile Asn Val Ile Leu Gly Gly Gly Arg Lys
154 210 215 220
155 Tyr Met Phe Pro Ala Gly Thr Pro Asp Pro Glu Tyr Pro Asn Asp Ala
156 225 230 235 240

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TIME: 10:57:46

Input Set : N:\jumbos\900708.txt

Output Set: N:\CRF3\02062002\I900708.raw

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157 Asn Glu Thr Gly Thr Arg Leu Asp Gly Arg Asn Leu Val Gln Glu Trp
158                245                250                255
159 Leu Ser Lys His Gln Gly Ser Gln Tyr Val Trp Asn Arg Glu Gln Leu
160                260                265                270
161 Ile Gln Lys Ala Gln Asp Pro Ser Val Thr Tyr Leu Met Gly Leu Phe
162                275                280                285
163 Glu Pro Val Asp Thr Lys Phe Asp Ile Gln Arg Asp Pro Leu Met Asp
164                290                295                300
165 Pro Ser Leu Lys Asp Met Thr Glu Thr Ala Val Lys Val Leu Ser Arg
166 305                310                315                320
167 Asn Pro Lys Gly Phe Tyr Leu Phe Val Glu Gly Gly Arg Ile Asp Arg
168                325                330                335
169 Gly His His Leu Gly Thr Ala Tyr Leu Ala Leu Thr Glu Ala Val Met
170                340                345                350
171 Phe Asp Leu Ala Ile Glu Arg Ala Ser Gln Leu Thr Ser Glu Arg Asp
172                355                360                365
173 Thr Leu Thr Ile Val Thr Ala Asp His Ser His Val Phe Ser Phe Gly
174                370                375                380
175 Gly Tyr Thr Leu Arg Gly Thr Ser Ile Phe Gly Leu Ala Pro Leu Asn
176 385                390                395                400
177 Ala Leu Asp Gly Lys Pro Tyr Thr Ser Ile Leu Tyr Gly Asn Gly Pro
178                405                410                415
179 Gly Tyr Val Gly Thr Gly Glu Arg Pro Asn Val Thr Ala Ala Glu Ser
180                420                425                430
181 Ser Gly Ser Ser Tyr Arg Arg Gln Ala Ala Val Pro Val Lys Ser Glu
182                435                440                445
183 Thr His Gly Gly Glu Asp Val Ala Ile Phe Ala Arg Gly Pro Gln Ala
184                450                455                460
185 His Leu Val His Gly Val Gln Glu Gln Asn Tyr Ile Ala His Val Met
186 465                470                475                480
187 Ala Ser Ala Gly Cys Leu Glu Pro Tyr Thr Asp Cys Gly Leu Ala Pro
188                485                490                495
189 Pro Ala Asp Glu Ser Gln Thr Thr Thr Thr Arg Gln Thr Thr Ile
190                500                505                510
191 Thr Thr Thr Thr Thr Thr Thr Thr Thr Thr Thr Pro Val His Asn
192                515                520                525
193 Ser Ala Arg Ser Leu Gly Pro Ala Thr Ala Pro Leu Ala Leu Ala Leu
194                530                535                540
195 Leu Ala Gly Met Leu Met Leu Leu Leu Gly Ala Pro Ala Glu Ser
196 545                550                555
199 <210> SEQ ID NO: 3
200 <211> LENGTH: 200
201 <212> TYPE: DNA
202 <213> ORGANISM: Artificial Sequence
204 <220> FEATURE:
205 <223> OTHER INFORMATION: Targeting vector
207 <400> SEQUENCE: 3
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209 taagtccagg cactctgtgc tttagtgtgat ccctggtgtc tcgtgtcttt gtctgtctgt 120

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RAW SEQUENCE LISTING

DATE: 02/06/2002

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TIME: 10:57:46

Input Set : N:\jumbos\900708.txt

Output Set: N:\CRF3\02062002\I900708.raw

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211 ctacagctgt cccttagtgt                                     200
213 <210> SEQ ID NO: 4
214 <211> LENGTH: 200
215 <212> TYPE: DNA
216 <213> ORGANISM: Artificial Sequence
218 <220> FEATURE:
219 <223> OTHER INFORMATION: Targeting vector
221 <400> SEQUENCE: 4
222 gagaaccggg cttctggaa caagaaggca gccgaggccc tggatgctgc caagaagctg 60
223 cagcccattc agacatcagc taagaacctc atcatcttcc tgggcgacgg tgagtgtgtg 120
224 agcgaggcct ggccacctg gggcccttgt actccaagta cccagggccca ctggtgggta 180
225 cggacaggcc tcagggttca                                     200
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VERIFICATION SUMMARY

PATENT APPLICATION: US/09/900,708

DATE: 02/06/2002

TIME: 10:57:47

Input Set : N:\jumbos\900708.txt

Output Set: N:\CRF3\02062002\I900708.raw



OIPE

RAW SEQUENCE LISTING

DATE: 01/28/2002

PATENT APPLICATION: US/09/900,708

TIME: 13:29:29

Input Set : A:\R-733 Sequence listing for submission.txt

Output Set: N:\CRF3\01282002\I900708.raw

Does Not Comply
Corrected Diskette Needed

4 <110> APPLICANT: Allen, Keith D.
 6 <120> TITLE OF INVENTION: TRANSGENIC MICE CONTAINING INTESTINAL
 7 ALKALINE PHOSPHATASE GENE DISRUPTIONS
 10 <130> FILE REFERENCE: R-733
 12 <140> CURRENT APPLICATION NUMBER: US 09/900,708
 13 <141> CURRENT FILING DATE: 2001-07-06
 15 <150> PRIOR APPLICATION NUMBER: US 60/216,476
 16 <151> PRIOR FILING DATE: 2000-07-06
 18 <150> PRIOR APPLICATION NUMBER: US 60/221,489
 19 <151> PRIOR FILING DATE: 2000-07-27
 21 <160> NUMBER OF SEQ ID NOS: 4
 23 <170> SOFTWARE: FastSEQ for Windows Version 4.0

ERRORED SEQUENCES

213 <210> SEQ ID NO: 4
 214 <211> LENGTH: 200
 215 <212> TYPE: DNA
 216 <213> ORGANISM: Artificial Sequence
 218 <220> FEATURE:
 219 <223> OTHER INFORMATION: Targeting vector
 221 <400> SEQUENCE: 4
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 223 cagcccatc agacatcagc taagaacctc atcatcttcc tgggcgacgg tgagtgtgtg 120
 224 agcgaggcct ggccacctg gggcccttgt actccaagta cccagggcca ctggtgggta 180
 225 ggacaggcc tcagggttca 200

E--> 229 (1)

VERIFICATION SUMMARY

PATENT APPLICATION: US/09/900,708

DATE: 01/28/2002

TIME: 13:29:30

Input Set : A:\R-733 Sequence listing for submission.txt

Output Set: N:\CRF3\01282002\I900708.raw

L:229 M:254 E: No. of Bases conflict, LENGTH:Input:1 Counted:200 SEQ:4